

APPARATUS HAVING PLATFORMS POSITIONED FOR PRECISE CENTERING
OF SEMICONDUCTOR WAFERS DURING PROCESSING

Abstract of the Disclosure

Apparatus for processing multiple semiconductor wafers, includes a transfer chamber, a first processing chamber mounted in fixed relation to the transfer chamber and having a first wafer-holding platform with a center, a second processing chamber mounted in adjustable relation to the transfer chamber and to the first chamber and having a second wafer-holding platform with a center, and a robot rotatably mounted within the transfer chamber and having first and second wafer-holding arms spaced parallel to each other for inserting a pair of wafers simultaneously into the first and second chambers and for placing the wafers accurately centered over the respective platforms. The spacing of the platform centers is adjusted relative to the spacing of the robot arms such that the wafers are centered and placed with a preselected degree of accuracy onto the respective platforms for efficient processing of the wafers.

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